Visualisation Interface
to the
Virtual Observatory

VisIVO

Visualizing Multi-Dimensional Astrophysical Data: VisIVO and interoperability

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IVOA

VisIVO

Visualization Interface for the Virtual Observatory

VisIVO is a visualization package developed in collaboration between INAF (Catania Astrophysical Observatory) and CINECA (the largest Italian academic supercomputing center) with the specific object of supporting visualization and analysis of astrophysical data. The package is written in C++.

VisIVO: Italian Contribution to the VO-TECH – DS6: Data Exploration (Data Mining + Visualization)

The **VOTech** project aims at completing all technical preparatory work necessary for the construction of the European Virtual Observatory (Euro-VO).

VisIVO

Visualization Interface for the Virtual Observatory

VisIVO can be used both as a stand-alone application, that acts on local files, and as an interface to the Virtual Observatory framework, from which it can retrieve the data.
NEW 0.9 release is now available:

http://visivo.cineca.it/

http://visivo.oact.inaf.it/

VisIVO

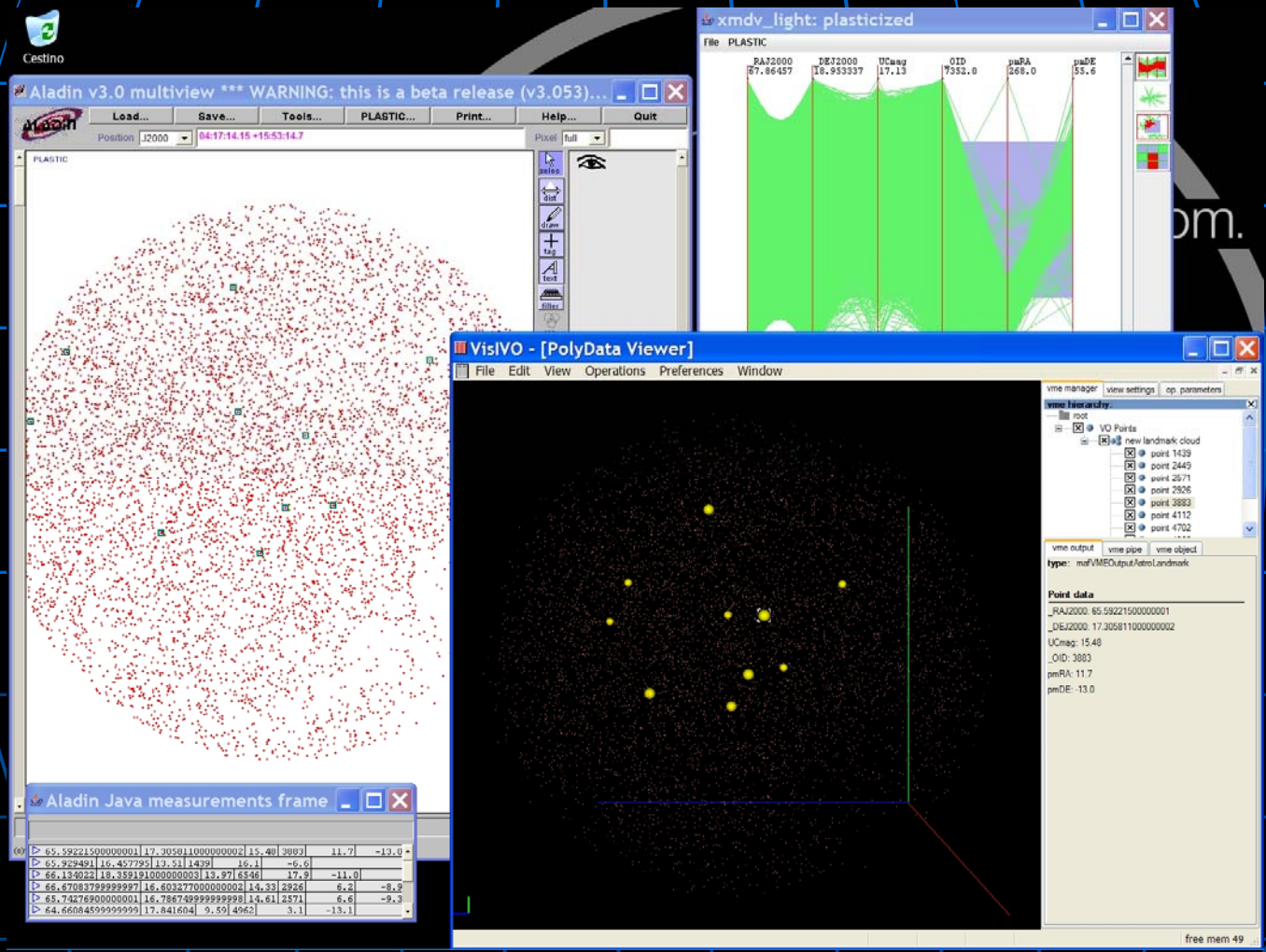
main features

- VO compliant
- supported file formats
  - **RAW binary format** (particles and grids)
  - **HDF5** format (subset for particles)
  - **FITS** format (tables and cubes)
  - **VOTables**
- Interoperability
  - PLASTIC
  - External grid enabled web serviced tools
- free software

PLASTIC & VisIVO
(PLatform for AStronomical Tool InterConnection)

- Interoperability with other VO compliant tools:
  - PLASTIC
    - Topcat
    - Aladin
    - xmdv-lite
    - TabView - A simple Table Viewer based on STIL.
    - VAST - A SIAP access tool that uses Plastic to load images in Aladin

Interoperability



Web Site

http://visivo.cineca.it/

http://visivo.oact.inaf.it/

PLASTIC Messages in VisIVO

ApplicationRegistered	Sent by the hub when an application registers
ApplicationUnregistered	Send by the hub when an application unregisters
HubStopping	Sent by the hub before it shuts down
Echo	Echos text
getName	A human-readable name e .g VisIVO
getVersion	The version of PLASTIC supported.
getIconURL	A URL to an icon for the application. The icon can be of any size, and any of png, jpg and gif. It's up the client to resize it if necessary.

PLASTIC Messages in VisIVO (VOTables related)

- loadFromURL Load a VOTable from the supplied URL. This URL is then used as its identifier for subsequent messages.
- showObjects Highlight the selected VOTable objects in the table with that id. Returns false if the application doesn't have that table loaded